

Amendments to the Specification:

Please amend the specification as follows:

Please replace paragraph starting at page 3, line 24, with the following rewritten paragraph:

According to Claim 1 one aspect of the invention, a radio base station apparatus comprises a mobile communication radio base station having a diversity reception function, the radio base station comprises a plurality of radio units, and each of the plurality of radio units comprises a receiving unit in one sector, which is connected to an antenna in another sector.

Please replace paragraph starting at page 4, line 3, with the following rewritten paragraph:

According to Claim 2 another aspect of the invention, in the radio base station apparatus, the mobile communication radio base station further comprises a control unit for detecting fault information of the plurality of radio units, and a baseband signal processing unit for specifying the radio unit which is damaged, based on a signal from the control unit, and for stopping a received signal from the receiving unit in the damaged radio unit.

Please replace paragraph starting at page 4, line 11, with the following rewritten paragraph:

According to Claim 3 still another aspect of the invention, in the radio base station apparatus, the radio unit comprises a plurality of transmitting units.

Please replace paragraph starting at page 4, line 14, with the following rewritten paragraph:

According to ~~Claim 4~~ still another aspect of the invention, in the radio base station apparatus, the receiving unit in the one sector is connected to the antenna in the other sector via antenna sharing equipment.

Please replace paragraph starting at page 4, line 18, with the following rewritten paragraph:

According to ~~Claim 5~~ still another aspect of the invention, in the radio base station apparatus, the receiving unit and the antenna, which are connected via the antenna sharing equipment, are further connected via a divider.

Please replace paragraph starting at page 4, line 22, with the following rewritten paragraph:

According to ~~Claim 6~~ still another aspect of the invention, in the radio base station apparatus, the transmitting unit is connected to the antenna via a mixer and antenna sharing equipment.

Please replace paragraph starting at page 4, line 25, with the following rewritten paragraph:

According to ~~Claim 7~~ still another aspect of the invention, the radio base station apparatus further comprises a plurality of the baseband signal processing units.

Please replace paragraph starting at page 5, line 1, with the following rewritten paragraph:

According to ~~Claim 8~~ another aspect of the invention, a method for preventing a radio function from being interrupted when a communication fault is caused in a mobile communication radio base station having a diversity reception function, comprises the steps of detecting a fault signal from a functional unit for covering one of a plurality of sectors, transmitting a fault notifying signal to a baseband signal processing unit based on the detected fault signal, and invalidating an output signal from a receiving unit in the functional unit in which the fault is caused, based on the fault notifying signal.

Please replace paragraph starting at page 5, line 12, with the following rewritten paragraph:

According to ~~Claim 9~~ another aspect of the invention, a method for preventing a radio function from being interrupted, when a communication fault is caused in a mobile communication radio base station having a diversity reception function, comprises the steps of detecting a fault signal from a multicarrier-type functional unit for covering one of a plurality of sectors, transmitting a fault notifying signal to a baseband signal processing unit based on the detected fault signal, and invalidating an output signal from a receiving unit in the functional unit in which the fault is caused, based on the fault notifying signal.

Please replace paragraph starting at page 16, line 6, with the following rewritten paragraph:

According to the second embodiment, ~~as~~ as mentioned above, similarly to the first embodiment, the number of sectors is not limited and can be appropriately selected. Further,

the response and operation are similar to those according to the first embodiment, when the first radio unit or the like is damaged.

Please replace paragraph starting at page 16, line 12, with the following rewritten paragraph:

Next, a third embodiment of the present invention will be described. According to the third embodiment, a transmitting system in the apparatus, having a diversity transmission function, is further improved. Fig. 3 shows the structure of a radio base station apparatus according to the third embodiment. According to the third embodiment, the first radio unit 4, the second radio unit 5, and the third radio unit 6 have the same structure as those of the first embodiment. Each of the first to third radio units 4 to 6 comprises a first transmitting unit 14, a second transmitting unit 18, a first receiving unit 15 16, and a second receiving unit 16 17.

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A radio base station apparatus, comprising a mobile communication radio base station to transmit and receive communication to/from a plurality mobile units located in different sectors, said mobile communication radio base station having a diversity reception and transmission function, said radio base station comprising a plurality of radio units, each of said plurality of radio units comprising a first receiving unit and a first transmitting unit for one sector connected to a first transmitting and receiving (T/R) antenna for said one sector and comprising a second receiving unit and a second transmitting unit for said one another sector connected to a second T/R antenna for another said another sector.

2. (Previously Presented) A radio base station apparatus according to Claim 1, wherein said mobile communication radio base station further comprises:

a control unit for detecting fault information of said plurality of radio units; and
a baseband signal processing unit for specifying the radio unit which is damaged, based on a signal from said control unit, and for stopping or invalidating receiving a transmitting in said damaged radio unit.

3. -6. (Cancelled)

7. (Previously Presented) A radio base station apparatus according to Claim 1, further comprising a plurality of the baseband signal processing units.

8. (Currently amended) A method for preventing a radio function from being interrupted when a communication fault is caused in a mobile communication radio base station having a plurality of sectors and a diversity reception and transmission function, said method comprising the steps of:

providing a first receiving unit and a first transmitting unit for one sector;

connecting the first receiving unit and the first transmitting unit to a first transmitting and receiving (T/R) antenna for said one sector;

providing a second receiving unit and a second transmitting unit for said one another sector;

connecting said second receiving unit and said second transmitting unit to a second T/R antenna for said another sector;

detecting a fault signal from a functional unit covering said one sector, said functional unit including at least one of said first and second receiving units;

transmitting a fault notifying signal to a baseband signal processing unit based on the detected fault signal; and

invalidating an output signal from one of said first and second receiving units which caused said fault based on said fault notifying signal.

9. (Currently amended) A method for preventing a radio function from being interrupted when a communication fault is caused in a mobile communication radio base station having a plurality of sectors and diversity reception and transmission function, said method comprising the steps of:

providing a first receiving unit and a first transmitting unit for one sector;

connecting the first receiving unit and the first transmitting unit to a first transmitting and receiving (T/R) antenna for said one sector;

providing a second receiving unit and a second transmitting unit for said one another sector;

connecting said second receiving unit and said second transmitting unit to a second T/R antenna for said another sector;

detecting a fault signal from a multicarrier-type functional unit, ~~covering said one~~
~~sector~~ said functional unit including at least one of said first and second receiving units;

transmitting a fault notifying signal to a baseband signal processing unit based on said detected fault signal; and

invalidating an output signal from one of said first and second receiving units which caused said fault based on said fault notifying signal.

10.-17. Cancelled